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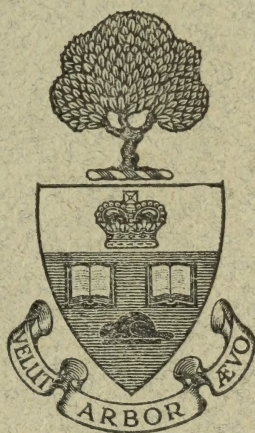
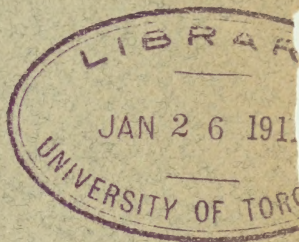
President's Report

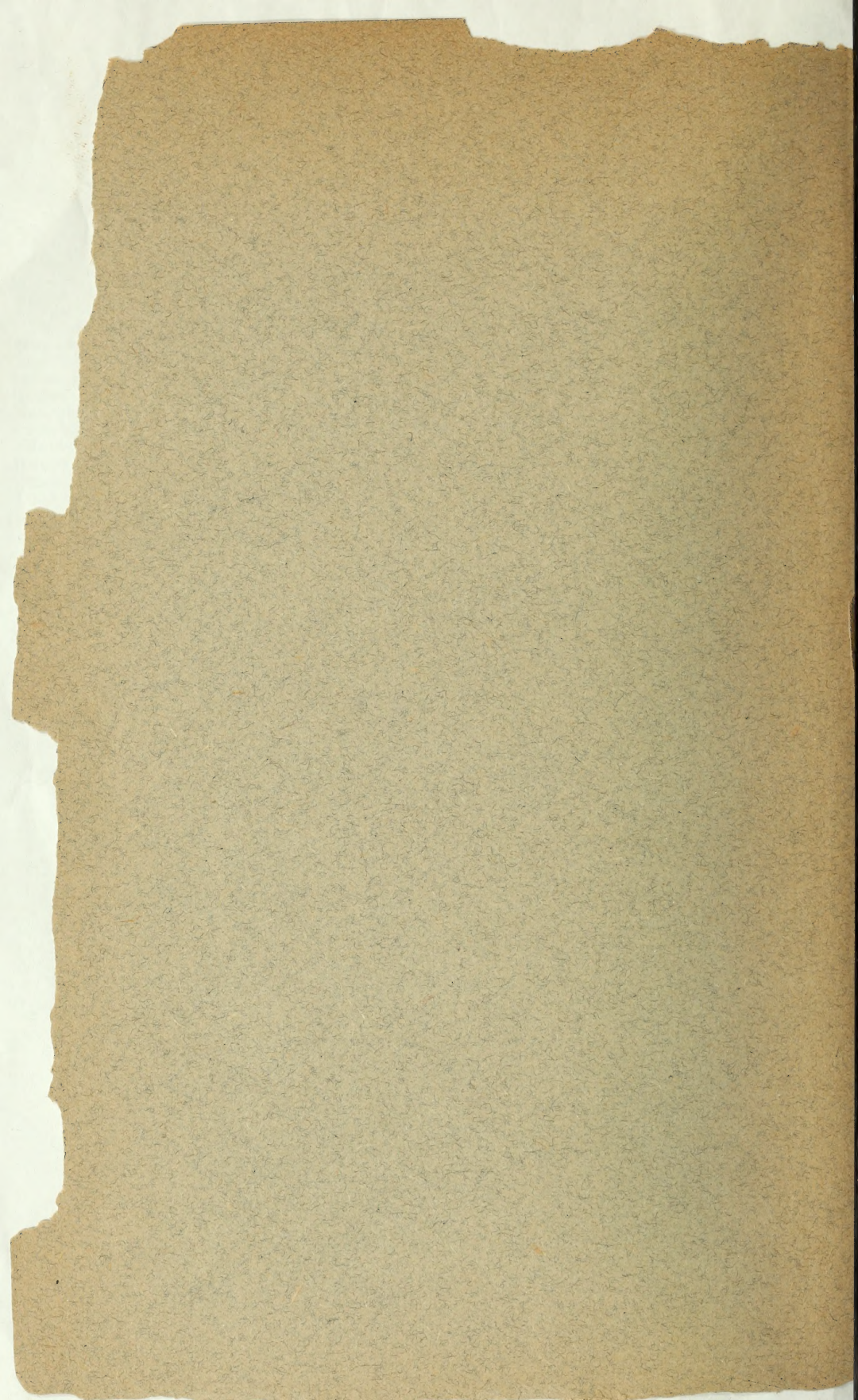
For the Year ending
30th June, 1910

1909/1910

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PRESIDENT'S REPORT

1909-1910.

To the Governors of the University of Toronto:

GENTLEMEN,—I beg to submit the following report on the academic work of the University and of University College during the twelve months ended June 30th, 1910.

The total staff of the University of Toronto and University College numbered 385, of whom 51 were professors, 48 associate-professors, 31 lecturers and associates (in Medicine), and 255 demonstrators, fellows and instructors with sessional appointments. They were distributed as follows:

	Professors.	Associate Professors.	Associates.	Lecturers.	Demonstrators.	Sessional Appointments.
University (Faculty of Arts).....	18	13	.....	9	.....	69
University College	8	7	.....	4	.....	9 (1
						in Univ.)
Faculty of Medicine.....	17	22	10	.....	4	71
Faculty of Applied Science.....	6	3	.....	8	5	45
Faculty of Household Science.....	.....	2	.....	.....	.....	7
Faculty of Education	1	1	.....	.....	.....	44
Faculty of Forestry.....	1	.....	.....	.....	.....	3 (2
						in Arts

In Victoria College there were:

Professors	13
Associate professors	2
Lecturers	4
Sessional appointments	1

In Trinity College there were:

Professors	8
Lecturers	5
Sessional appointments	1

In St. Michael's College there were:

Professors	5
Associate professors	3
Lecturers	1
Sessional appointments	2

The changes during the year were:

In the Faculty of Arts, M. W. Wallace, B.A., Ph.D. (Chicago) was promoted from a lectureship to an associate-professorship in English; E. J. Kylie, B.A.

(Tor., Oxon.), was promoted from a lectureship to an associate-professorship in History; G. I. H. Lloyd, M.A. (Cantab.), was appointed associate-professor of Political Economy; K. N. Bell, B.A. (Oxon.), was appointed Lecturer in History for two years; G. Stevenson, M.A. (Edin.), was appointed Lecturer in English; S. Beatty, M.A., was appointed Lecturer in Mathematics and W. H. Tackaberry, M.A., was appointed Lecturer in Greek.

In the Faculty of Medicine, J. B. Leathes, B.A., M.B. (Oxon.), F.R.C.S., was appointed Professor of Chemical Pathology; V E. Henderson, M.A., M.B., was promoted to an associate-professorship in Pharmacy and Pharmacology; J. M. MacCallum, B.A., M.D., was appointed associate-professor of Ophthalmology; F. W. Marlow, M.D., C.M., F.R.C.S., was appointed Associate in Gynæcology; W. J. McCollum, M.B., and J. H. Elliott, M.B., were appointed Associates in Medicine and Clinical Medicine; C. B. Shuttleworth, M.D., C.M., F.R.C.S., and J. F. Uren, M.D., C.M., were appointed Associates in Surgery and Clinical Surgery; H. M. Knower, B.A., Ph.D. (Johns Hopkins), was appointed Lecturer in Anatomy, and J. G. Fitzgerald, M.B., was appointed Lecturer in Bacteriology.

Two of the Professors Emeriti, Uzziel Ogden, M.D., and James Henry Richardson, M.D., died during the year. These gentlemen had given long and most valuable service to institutions both of which are now incorporated with the University of Toronto. Their professional eminence during a long life, their personal character, and their services to the cause of medical education secured for them the highest respect of the community.

Professors J. A. Temple, F. L. Grasett, L. Teskey and J. L. Davison resigned their positions, and in recognition of their valuable service they have been given the rank of Professor Emeritus.

In the Faculty of Household Science, Miss C. C. Benson, Ph.D., was appointed Associate Professor of Physiological Chemistry, and Miss A. L. Laird was appointed Associate Professor of Household Science.

In the Faculty of Applied Science, H. S. Fierheller, B.A.Sc., resigned, owing to ill-health. I regret to state that Mr. Fierheller died shortly after his resignation was accepted, and that thus a promising career was early closed.

Leave of absence for the academic year was granted to Principal Hutton and Professor W. H. Fraser, after twenty-five years of service. Professor J. H. Faulk and Mr. W. G. Smith were also granted leave; the former to pursue botanical investigation in Harvard and in Europe; the latter to continue the study of psychology in Germany. Owing to ill-health, Professor Kirschmann was unable to resume his work.

The following members of the staff delivered courses at Trinity College:

- Alfred Baker, M.A., Professor of Mathematics.
- K. N. Bell, B.A., Lecturer on Modern History.
- A. G. Brown, B.A., Lecturer on Modern History.
- Robert Chambers, M.A., Ph.D., Lecture Assistant in Biology.
- S. A. Cudmore, B.A., Instructor in Political Science.
- Emilio Goggio, B.A., Instructor in Italian.
- F. J. Kylie, B.A., Associate Professor of Modern History.
- M. A. Mackenzie, M.A., Associate Professor of Mathematics.
- W. A. Parks, B.A., Ph.D., Associate Professor of Geology.
- G. M. Wrong, M.A., Professor of Modern History.
- J. McGregor Young, M.A., Professor of Constitutional Law and History.

The total number of students registered as being in attendance at the University in 1909-10 was 4,044, distributed as follows:

Faculty of Arts	2313
Faculty of Medicine	641
Faculty of Applied Science	730
(2 in Arts also)	
Faculty of Household Science	85
Faculty of Education	237
Faculty of Forestry	40

The figures may be further analysed as follows:

FACULTY OF ARTS.

University of Toronto.

Candidates for Ph.D.	25
Candidates for M.A.	79
(Total postgraduate students, 104.)	
Occasional Arts students	42
Dental students registered in Arts.....	55
Teachers' Course	26
Summer Session	164
Ontario Veterinary College	285
	— 676

University College.

First Year	316
Second Year	250
Third Year	209
Fourth Year	167
Occasional students	95
	— 1037

Victoria College.

First Year	164
Second Year	102
Third Year	90
Fourth Year	58
Occasional students	40
	— 454

Trinity College.

First Year	33
Second Year	39
Third Year	25
Fourth Year	31
Occasional	18
	— 146

FACULTY OF MEDICINE.

First Year	146
Second Year	103
Third Year	191
Fourth Year	150
Dental Students	50
Occasional student	1
	— 641

FACULTY OF APPLIED SCIENCE.

First Year	228
Second Year	209
Third Year	186
Fourth Year	102
Occasional students	3
Arts students	2
	— 730

FACULTY OF HOUSEHOLD SCIENCE.

Normal students	39
Occasional students	46
	— 85

FACULTY OF EDUCATION.

Students registered	237
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FACULTY OF FORESTRY.

First Year	10
Second Year	15
Third Year	5
Fourth Year	3
Occasional and special students	7
	— 40

Of the 4,044 students, 3,120 were men and 924 women. The women students were distributed as follows:

Candidate for Ph.D.	1
Candidates for M.A.	21
Occasional students	18
Teachers' Courses	20
Summer Session	74
University College	341
Victoria College	136
Trinity College	61

Faculty of Medicine	18
Faculty of Education	149
Faculty of Household Science	85
	— 924

Further details as to enrolment in the various departments and courses will be found in Appendix B.

The numbers examined in the different departments of the University were as follows:

Ph.D.	4
M.A.	57

Arts:

Fourth Year	284
Third Year	385
Second Year	617
First Year	449
Senior Matriculation	209
	— 1,944

Matriculation	385
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Medicine:

M.D.	2
Fourth Year	211
Third Year	261
Second Year	187
First Year	151
	— 812

Applied Science:

Professional degree	1
Fourth Year	97
Third Year	175
Second Year	197
First Year	211
	— 681

Education	237
Forestry	39
Household Science	33
Law	31
Pedagogy	6
Pharmacy	35
Music	22
Dentistry	141
Agriculture	32
Local Examinations in Music	798
Veterinary Science	88

The degrees conferred were:

M.D.	2
Ph.D.	1
M.A.	65
M.E.	1
D.D.S.	43
LL.B.	11
B.A.	227
B.S.F.	2
M.B.	149
B.A.Sc.	67
B.S.A.	30
Phm.B.	33
Mus. Doc.	1
Mus. Bac.	5
B.V.S.	67

704

In the summer of 1909, for the first time, the new regulations for Junior Matriculation came into effect, forty per cent. being required in each paper, which is an appreciable raising of the standard. Also, from all the Faculties the student with partial matriculation is disappearing. Hereafter in Arts and Applied Science matriculation must be completed before registration, except in the case of those students who in 1911 shall have an average of fifty per cent. and in 1912 an average of sixty per cent. on all their papers, but who may have fallen below forty per cent. in one, two or at most three papers. The effect of this will be to make a preparatory four years' course in the high school almost essential. In the Faculty of Medicine complete matriculation is now required from all. In the Faculty of Arts last year there were 121 students without full matriculation. In Medicine there were 8. This raising of the standard of matriculation will be an advantage not only to the University, but also to the schools of the Province.

Within the University also the requirements are being increased. In Arts the higher matriculation standard is lessening the amount of elementary work that is needed; the pass standard is now forty per cent., and no student is allowed to enter the third or fourth year unless he has cleared off the work of the first or second respectively.

In the faculties of Medicine and Applied Science the arrears which a student is permitted to carry over from earlier years are still fewer. It is but fair to prevent his being too overweighted with remnants from a former year or course of study to do justice to himself in the new work that lies before him. In addition to this the course in Medicine was two years ago lengthened to five years, and in Applied Science last year to four years. The standards both of entrance to and throughout the course in the Faculty of Forestry are also such as to establish a reputation for this new profession.

But notwithstanding this increase in the entrance requirements and the professional standards of the University, the number of students in attendance was greater than ever. This growth indicates fairly well the grade of intelligence of the Province, and an increasing desire for higher education. For the population

of the Province seems to grow slowly, whereas during the past half dozen years the attendance at the University has grown rapidly. This increasing desire for higher education is not confined to any one faculty. As might be expected the industrial development of the country has called for engineers, but in Medicine and also in Arts the growth has been constant

It is obvious that in some of the professions more are being educated than can find employment in this Province. But a province has a duty to its own youth, even if many of them leave it, and while our newer provinces are opening up, numbers of our graduates will go to the West, help to develop it in the spirit of older Canada, and so indirectly benefit the home in which they were brought up. This being admitted, however, the question arises whether the right educational policy of the Province is not to concentrate its professional training. To develop medicine, applied science and post-graduate work will require larger and larger outlay, so that even a rich province will be able only gradually to grant the expenditure demanded by a thoroughly well-equipped modern university, in which its own youth may get an education equal to that given in universities of other countries. The highest professional efficiency should be our aim, not a fair average training given by several moderately equipped institutions to more persons than the life of the country calls for.

To prepare for the most efficient professional training more must be asked of the collegiate institutes and high schools of the Province. Without unduly burdening them the University may require a higher standard for entrance, even after the matriculation of 1912 comes into effect. Increased demands would be of great advantage, not only to the student by keeping him longer under teachers, who at less expense to himself will give him more individual training, but to the teacher also by affording him higher ideals for his teaching, and to the communities as well by improving the quality of their schools.

In my last report I referred to the revision of the General Course in Arts. During the past session the work of the committee on revision was continued and the honour courses were dealt with. The changes have been authorized by the Council of the Faculty of Arts and the Senate and go into effect at once. The chief modifications are that in the first year of each honour course the work of the first year in the General Course is included; and in the second year four, in one or two instances three, of the subjects of the second year General Course. In the third and fourth years the attention of the student may be confined to the work of the honour department. The principle underlying this is the sound one, that with our standard of matriculation the student will get the best education not by specializing exclusively at the beginning of his course, but by acquiring some understanding of several fields of human thought—language and literature, history, philosophy, economics or science, besides the subject to which he desires to devote most of his effort.

Hereafter there will be only two grades of honours, first-class above seventy five per cent., and second class above sixty per cent., and in these classes the candidates will be arranged alphabetically.

A new course leading to a combined arts and medical degree and parallel to the course in Biological and Physical Sciences has been instituted. It has been called the Physiological and Biochemical Sciences course, the name denoting its general character, and it leads to the degree of B.A. in four years and M.B. in three more years, seven in all.

In the Faculty of Medicine the chair of Chemical Pathology was established and Dr. Leathes entered upon his duties as professor. The importance of this

development will become more manifest when the department along with that of pathology occupies the building which is to be erected next year for these purposes in the new hospital grounds.

It may not be out of place to refer to the "Report on Medical Education in the United States and Canada," issued in May, 1910, by the Carnegie Foundation for the Advancement of Teaching. To those who for years have endeavoured to maintain a high standard of medical training in Toronto, it is very gratifying to have such a favourable judgment passed in the report upon the quality of their work, as well as to have the opinion expressed that "the laboratories are in point of construction and equipment among the best on the continent."

In the Faculty of Applied Science also the revision of courses has been continued, especial attention having been given to the curriculum of mining engineering, which has been modified so as to suit the requirements of modern mining methods. In this department there has been a marked expansion and an increase in the number of students.

The most outstanding feature of the year in this Faculty has been the opening of the Laboratory for Thermodynamics and Hydraulics, which with its well arranged and varied equipment has made possible the extension of the courses of the third and fourth years in the department of mechanical engineering. This laboratory ranks with the best on the continent, and provides facilities for research in two of the leading branches of power development.

From the department of Architecture there comes a request for more complete training in the æsthetic branches, which can only be given by strengthening the staff in Architectural Design and Fine Art.

The following statistics of this Faculty are interesting. They cover the period up to and including 1909. Total graduates 1,005, of whom 40 are deceased. Of the remaining 965, there are in Canada 824, in the United States 131, and in other countries 10.

In the portion of the Dean's Report hereto appended, views are expressed as to further developments in this Faculty.

A comparison of the appended report from the Faculty of Forestry with those of former years, shows that the number of students has steadily increased since its inception. Dr. Fernow has continued his efforts to impress upon the country the necessity of guarding and developing its forests, and the Dominion Commission on the Conservation of our Natural Resources, of which he is a member, emphasizes anew the value to the country of the work which this Faculty undertakes.

The schools for the Faculty of Education were made ready for occupation in September, 1910. For the present these schools are to be for boys only, and of high school and upper public school grades, accommodation being provided for about three hundred and fifty. They are not intended to be additional schools to relieve the pressure on the city schools, but are model high and upper public schools to serve for practice-teaching and observation by the students in the Faculty of Education. The fees—sixty dollars and forty-five dollars a year—which are much higher than those of the collegiate institutes of the city, were placed at such a figure as would, it was hoped, not interfere with the attendance, and yet not involve the university too heavily in undertaking the experiment.

The Household Science courses have during the year been under revision. There are now two courses, including Household Science, which lead to the arts degree; and for the meantime at least the normal course has been retained. The

question of its retention will again come up for consideration when the department takes possession of its new building.

I must again draw attention to the need of a lady adviser for the women students of the University, in particular those of University College and the Faculty of Education. As may be seen in the Appendix the enrolment of women is now very large; it is increasing rapidly and therewith the need grows more insistent for a lady of high academic attainments and good judgment, who in innumerable ways would be able to help students in the choice and direction of their studies and life work.

The step which has already been taken by the Governors towards placing an organ in Convocation Hall involves also the establishment in the near future of a chair of music. As one of the leading arts, cultivated, moreover, at large expense by great numbers of people throughout the Province, music should be represented in the University, not only as at present by a curriculum and examinations for a degree, but by a teaching faculty on its advanced theoretical side. In the life of the University the organ also will certainly prove to be of high educative value.

During the past year we were fortunate in securing lectures from a number of distinguished visitors, in addition to those who took part in the Saturday lecture course.

Monsieur Jean de Mot,

“L'art Belge au XIX siècle.”

C. K. Clarke, M.D., LL.D.,

“Some Birds of the Thousand Islands District.”

Professor W. F. Harris,

“Our Indebtedness to the Greeks.”

G. Sterling Ryerson, M.D., C.M.,

“Hungary and the Hungarians.”

Professor Andrew Macphail,

“The American Woman.”

J. S. Willison, LL.D.,

“The Political Situation in Great Britain.”

Herbert Fisher, Esq.,

“Napoleon” and “England's Place in History.”

Professor Carl Runge,

“Graphical Methods” and “The Mechanism of Flight.”

Baron Kikuchi,

“The Spirit of Modern Japan.”

A. L. Smith, Esq.,

“Edmund Burke.”

Of the above the first six lectured in the Saturday Lecture course, which is under the direction of Professor Mavor.

It may be seen in the report of the Athletic Director that the activities of the Association were more successful during the past session than in almost any former year. But there is no department of our University life in which the need for accommodation is more pressing. Fortunately the gift of the Trustees of the Massey Estate will provide in a munificent manner for many of the student activities, and in connection with the erection of these buildings, the extension of the gymnasium will also be undertaken.

Plans have also been submitted for the extension of the Athletic Field to Bloor Street, and in view of the strong opinion of those who have been longest and most intimately associated with the athletics of the University, that such a site near the University is essential to their well-being, the erection of a substantial grandstand, which will for years give comfortable and sufficient accommodation, has been authorized.

I may again refer to the work of the Rifle Association at the ranges on the Saturday afternoons during the first half of the term.

For some time there has been a desire to revive in the University an interest in the militia. Many of the officers of regiments in the city and throughout the Province served in the old K Company of the Queen's Own, and in the University Section of the Engineers, in which about one hundred undergraduates are trained. It is now proposed to establish an additional unit of four hundred men, consisting of four companies, to be officered by members of the staff and graduates of the University. The Dominion authorities recognize the value to the country of such a recruiting ground for officers, and if the University should include this drill in its department of physical training, and so arrange the time-table as to give opportunity for its being satisfactorily engaged in, the necessary accommodation in armouries and in the way of equipment would probably be provided by the Dominion Government.

This was the second year of the operation of the Residences for men, but the first in which they were occupied throughout the year. The admission was limited to those students who had passed in their year in May, and were able to go forward to the work of the higher year. Out of a possible 147 the largest number of students in residence at one time was 137. The total number of those in residence at different times throughout the year was 172.

Last session was also the second in which the Dining Hall was under the Superintendency of Miss Eadie. The attendance increased from the beginning of the session and was maintained till the spring. On several days more than 650 meals were served, and during some weeks there was an average of over 3,000 meals a week. Necessary utensils and equipment were added to the kitchen out of the current income, and the deficit on the year's operations was only about one hundred dollars. Considering the great rise in prices this does not seem to be unsatisfactory. Our hope is that without increasing our rates we may be able to serve good, well-cooked meals, the full value of which will be got by the student. I regret that Miss Eadie, after two years of hard pioneer work in this position, which was satisfactory to the University, has resigned. Her place has been taken by Miss Ryley, whose training and experience fit her thoroughly for her duties.

All of which is respectfully submitted.

R. A. FALCONER,
President.

October 27th, 1910.

APPENDIX A.

- (1) Extract from the Report of the Acting Principal of University College.
- (2) Extract from the Report of the Dean of the Faculty of Medicine.
- (3) Extract from the Report of the Dean of the Faculty of Applied Science.
- (4) Extract from the Report of the Dean of the Faculty of Forestry.
- (5) Extract from the Report of the Dean of the Faculty of Education.
- (6) Report of the Librarian.

- (7) Reports from Biological Stations.
- (8) Statement regarding the Museum of Geology and Mineralogy.
- (9) Report of the Physical Director.
- (10) Extract from the Report on University Extension Work.

(1) EXTRACT FROM THE REPORT OF THE ACTING PRINCIPAL OF UNIVERSITY COLLEGE. (DR. W. J. ALEXANDER.)

In the absence of Principal Hutton, it becomes my duty to submit the report of University College for the year 1909-10.

Notwithstanding the stringent enforcement by the Colleges of the higher standard of admission, the number of students in attendance at University College continues to grow, and the staff increasingly feel that the great weakness in the work of the Colleges lies in the lack of intimate personal relations between the teachers and taught. An attempt was made this session, in some small measure, to overcome this defect by the distribution of first year male students among members of the staff for special supervision. It is doubtful if the plan has been productive of much result. Such assignment must at best be, in the main, arbitrary; and hence felt, on both sides, to be more or less forced and arbitrary. The real remedy lies in the diminution in size of a large number of the classes—a result which can be attained only by lessening the number of students or by increasing the staff.

Another defect which has been felt this session more keenly than ever, is the insufficient accommodation afforded in the Main Building. This leads to holding of classes in rooms really too small for them, and to the continuous occupation of the same room throughout the forenoon hours. These conditions, in turn, aggravate the consequences of the very inadequate ventilation.

The College Council are strongly of opinion that, as soon as possible, the Main Building should be extended by the completion of the Quadrangle on the north.

The supply of private-rooms where needful consultations, etc., may be held with students is even more inadequate than is that of the class-rooms. It is hoped, however, that at no distant date this may be remedied through the rooms being rendered available which are now occupied by the Students' Union.

(2) EXTRACT FROM THE REPORT OF THE DEAN OF THE FACULTY OF MEDICINE. (DR. C. K. CLARKE.)

On the whole, the work done during the session of 1909-10 was satisfactory, and the students who went up for examination reached a high average standard. Now that the matriculation requirements have been made more exacting than heretofore, the quality of the students is steadily improving, and many of the weak ones who would have hampered the teachers, have been prohibited from entering a profession for which they were not qualified.

Complaint is often made that the demands of the first years are too great, and the provision that a student must have a clean sheet before entering another year is characterized as somewhat unreasonable. Undoubtedly this occasionally proves a hardship, but on the whole it must be regarded as a rule working out to the advantage of the student. It acts as a stimulus to the indolent, and enables the Faculty to apply the weeding out process in the early years—the proper time to resort to it.

Possibly the greatest hindrance to the highest development in the teaching of Medicine in the University has been caused by the fact that we are not able to adopt the most advanced and desirable methods, owing to the demands of the Medical Council of Ontario. It is an anomaly that medical educational standards and methods in a Provincial University must be determined very largely by another Provincial body, out of touch, to a great extent, with University ideals and the requirements of modern medicine. That the Medical Council is a necessity no one denies; that its chief function is to direct medical education, set the standard, and to conduct examinations, rather than to protect the general public from quacks and dishonourable and criminal practitioners, is a very different matter. To many the latter function seems to be the all-important one. At all events, the time has come when we must consider the advisability of endeavouring to establish the University Medical Faculty in such a position that it may develop, unhampered by narrowing and humiliating restrictions.

Students who pass the University examinations, and have then to undergo the Council examinations, properly and justly complain of the strain to which they are unnecessarily subjected, and frequently assert that when they reach the final test, they are so fagged mentally, that they are quite incapable of doing justice to themselves. No doubt this is quite true, and when we recollect that in many instances, students of the very highest type, whose knowledge of their subjects was undoubted, have failed before the Council, while weak students have passed, the explanation seems adequate.

The Advisory Boards have proved useful organizations, and the different departments have benefited by a discussion of the problems before them. The result has been greater efficiency in teaching and less overlapping of work than was formerly the case.

Professors J. A. Temple, F. M. Grasett, J. L. Davison and L. Teskey resigned from the staff after years of faithful service in the teaching of Medicine. All had done honour to the profession and retire with the best wishes and congratulations of their colleagues. The Governors showed their esteem and regard by allowing in each case the title of Emeritus Professor.

I cannot close this brief report without referring to the encouragement and hearty support given me by the whole Faculty. Indeed, what must be ordinarily a trying position, has been made comparatively easy as a result of the desire, on the part of all, to sacrifice self to the advancement of the University interests.

(3) EXTRACT FROM THE REPORT OF THE DEAN OF THE FACULTY OF APPLIED SCIENCE. (DR. J. GALBRAITH.)

The number of regular students in attendance this session was 725, showing a falling off of 36 in comparison with last session. A reasonable estimate of the number to be expected next session is 710. There can be no doubt that the number will increase within a few years, and now is the time to prepare the necessary building plans. The members of the staff interested should be instructed to prepare their respective space requirements for the information of the architect. These requirements will depend not only on the estimated number of students, but also on the new subjects of instruction which may have to be provided for. In the near future instruction should be provided for iron and steel metallurgists in

addition to that now given to the engineering students. The sand and clay industries would be greatly benefited by providing a course of instruction for them.

Both iron and steel metallurgy and ceramics can be housed by adding an eastern wing to the Chemistry and Mining Building. Instruction in Highway Engineering should be developed to a much greater extent than is possible with our present facilities. It will soon be necessary to help the ship-building industries by instituting a course in Naval Architecture. Instruction in Aviation may become a necessity in the near future.

In addition to advancing means of transportation the University may soon be called upon to increase its facilities for coming into closer touch with trades and manufacturers. Industrial education is now a live topic. There seems to be no great reason why scientific and trade schools should not be established in their own works by the proprietors. A sufficient number of qualified teachers may be found among the officers and foremen to make a beginning. By proper co-operation between employers and their operatives such schools should be a success and justify their cost. The University should provide for the education of the heads of the scientific departments in such works, and incidentally it may be of service in advising and encouraging the teachers in the works-schools. This method of initiating industrial schools would reduce to a minimum the danger of establishing them where they may not be needed.

(4) EXTRACT FROM THE REPORT OF THE DEAN OF THE FACULTY OF FORESTRY.
(DR. FERNOW.)

The growth of the Faculty of Forestry in the number of students registered for the session 1909-10 has been gratifying, the number being forty at the end of the session, two having withdrawn during the first term. This is an increase of fifty per cent. over the previous year. Another abnormally large percentage increase is to be foreseen next year, after which owing to the graduation of the last small entering class the growth will probably become normal.

In order to keep numbers down and quality up, which is desirable in view of the undeveloped conditions of employment for foresters, the entrance requirements which have hitherto been higher than those for most other Faculties, have been still further increased for the session of 1910. It has, however, been the practice to admit as special students, not enrolled for the degree, older men of sufficient, though not the required academic standing, but with practical business or farm experience. These form a desirable class, being serious students and likely to be adapted to the practical work in the woods. Six of the forty enrolled are of this character.

The six-year course foreshadowed in last year's report, leading to both Arts and Forestry degrees, has been definitely instituted, and three candidates are registered in it. It is designed for men who desire a fuller general education than the merely professional course of four years can give. There is then provision made for three grades of students to meet various requirements in employment. It is gratifying to note that the opportunities for such employment are growing, in the Federal Government as well as in private employ.

At the present writing one of the three graduates of the year has found permanent employment with the Dominion Forestry Branch, which also has offered

summer employment to a considerable number of undergraduates. Another graduate and a number of undergraduates have found employment with the Canadian Pacific Railroad Company; the Nova Scotia forest survey and another private survey for a lumber company will occupy a number, while the rest are hoping to be employed as fire rangers by the Provincial Government.

Again thanks are due to various lumber companies for permission to senior students to spend the Christmas vacation in their logging camps for the purpose of becoming familiar with their practices. Special thanks are due to the Georgian Bay Lumber Company for placing its camp and limits near Bala at the disposal of the Faculty for spring practice work.

With the growth of the Faculty in numbers the problem of providing for this most needful "laboratory" work becomes more and more difficult, and the securing of a permanent suitable practice ground becomes more and more urgent. I recommend an early consideration of this problem.

It becomes also necessary now, with a full complement of students to enter the upper classes, to provide for the special short lecture courses by outsiders which have figured in the curriculum, but have hitherto been left out for lack of funds, and because only a small number of students were injured by the absence of those special lectures. The original avowed intention of the Board of Governors to make this a first class course in forestry cannot be realized without these additions. The introduction of special lectures from the practical field is essential in a practical subject, in order to bring the didactic teaching into relation to and the student in touch with that field. At any rate, the present staff, faithful to its duties though it is, is insufficient to cover the ground as it should be covered.

The Dean himself finds that with the frequent calls from outside for addresses, which it seems a duty to answer, he is overloaded and needs relief of class work. This outside "University extension" work promises to grow since the Dean has been appointed a member of the Commission of Conservation.

Of other needs, I must foreshadow the time, not far distant, when present quarters serving both the Faculty and Botanical Department will be outgrown.

I cannot close without expressing satisfaction with the excellent spirit which actuates both the student body and the members of the staff. This is fostered by the Foresters' Club, which consists of the entire faculty and which provided in its bi-weekly meetings both social intercourse and instruction by way of informal talks from representative men, guests of members.

(5) EXTRACT FROM THE REPORT OF THE DEAN OF THE FACULTY OF EDUCATION.
(DR. PAKENHAM.)

The total enrolment for examination or instruction in the Courses for teachers' certificates was 221. Of these 82 were graduates in Arts. In the re-organized Courses for degrees in pedagogy sixteen additional students were registered, all of whom are graduates in Arts. This gives a total registration of 237, made up of 98 graduates in Arts and 139 Senior Teachers.

The steady growth in the number of registered students is encouraging. In so far as the candidates for degrees in Pedagogy are concerned, the Faculty of Education renders an important service when it maintains or renews in its former students an interest in scientific education. The consolidation of the staff in the new buildings will enable it to render this service more effectively in the future. But its chief duty lies after all in assisting to provide an adequate supply of teachers for the schools of Ontario. It has been hindered in this work, in com-

mon with the other training schools of the Province, by the low remuneration of teachers, by the greater attractions of the commercial world, and, in particular, by the almost unlimited demand of the Western Provinces for teachers. Ontario salaries are rising rapidly, and the increasing attendance in this and other training schools of the Province is the happy response.

The work of the Third Session has been attended by the same difficulties as appeared during the First and Second Sessions. Inadequate classroom accommodations, an ill-constructed time-table, and practice schools as far apart as are the High Schools of the City of Toronto, are the necessary evils of existing conditions. The University Schools, to be opened in September, will remove most, if not all, of these evils. With the disappearance of the old order it would be a fitting thing to place on record an appreciation of the continued courtesy of the Board of Education of Toronto and of the generous co-operation of such city teachers as were members of the staff of the Faculty of Education.

The University Schools will not immediately disturb or utilize the major part of the old St. Margaret's buildings. The additions of the near future will probably run eastward and leave the old buildings intact. What is to be done with them? Fitted up and taken in combination they would lodge forty or fifty women students. Taken separately, they could be leased to members of the staff or to citizens in general; or, in part, they might lodge the officers of the buildings.

(6) REPORT OF THE LIBRARIAN. (H. H. LANGTON, Esq., M.A.)

The number of bound volumes entered on the accession list was 6,003, and the number of pamphlets was 3,437, making the total contents of the Library at that date, 108,079 bound volumes and 29,229 pamphlets.

The statistics of the use of books by students show approximately the same number of books used as during the preceding year, and the same average number of readers, indicating that the capacity of the Reading Room had reached its full limit a year ago. The actual figures are as follows:

—	1907-08	1908-09	1909-10
No. of day tickets.....	23,658	24,096	25,281
No. of books taken for the night.....	8,321	9,139	8,916
Average number of readers at a time.....	76	72	72

The principal advance in the administration of the Library was the engagement of an additional cataloguer, who entered upon her duties in September. During the year practically all the pamphlets in the Library building have been classified and catalogued under their authors by the enlarged cataloguing staff. This represents, perhaps, rather more than half the actual number of pamphlets belonging to the Library, because, in the subjects of Medicine, Chemistry, Physics, Biology, and Psychology, the pamphlets have for years been transferred as fast as they came in, from the Main Library to the Departmental Libraries in those subjects, for classification and use by the Departments.

(7) REPORTS FROM BIOLOGICAL STATIONS. (PROFESSOR RAMSAY WRIGHT.)

Atlantic Coast Stations, St. Andrews, N. B.

Professor Macallum acted as Director of the station for several weeks during the season. He was also engaged in making some observations on the effect of sea water on the composition of the blood of certain marine Vertebrates and Invertebrates, and in obtaining material for a report on the Dog Fish from an economic aspect. Several members of the staff spent some time at St. Andrews during the summer. Dr. Miller of the Physiological Department was engaged in a problem dealing with the nervous system of the lobster. Mr. G. G. Copeland, B.A., has prepared a report on the temperature and salinity of the waters of Passamaquoddy Bay. Dr. R. Chambers spent a few weeks in the study of marine fauna, and I myself devoted between three and four weeks to the study of the plankton.

Georgian Bay Biological Station.

At the Georgian Bay Biological Station the University was represented by Messrs. A. R. Cooper, A. D. Robertson, Fourth Year students in the Department of Biology, and Mr. J. B. Williams, the travelling expenses of these gentlemen being met out of the appropriation provided for this purpose. Mr. Cooper was engaged in studying and making preparations of the early stages in the development of parasites infesting fishes. Mr. Robertson compiled the data necessary for a comparison of the external characters, sizes and other measurements of fresh water fishes for comparison with species elsewhere. Mr. Williams undertook the collection of land insects, preparing a number of Museum specimens and a report of the species. The work of the Station is under the supervision of Professor B. A. Bensley.

Pacific Coast Station at Nanaimo, B. C.

Dr. Huntsman made a second visit to Nanaimo and secured not only a large number of interesting specimens for the University Museum, but a large amount of material which he is using in the preparation of a monograph of the Pacific Coast Tunicata. Professor McMurrich spent three or four weeks at the Station, studying the Actineæ and some points in the life history of the Pacific Salmon. Professor Macallum also paid a flying visit to the Station after the meeting of the British Association and reports his satisfaction at the excellent site and the opportunities offered there for study.

Bermuda Biological Station.

Harvard University invited the co-operation of Toronto University, Princeton University and Columbia University to collaborate with the Bermuda Natural History Society in the support of a Biological Station in Bermuda. The arrangements have not yet been perfected, but Mr. Cowdry, B.A., was enabled from the appropriation for Biological Stations to spend six weeks there when he prepared a very interesting report on the colour changes of the Octopus. Mr. Cowdry, who is now a fellow in the University of Chicago, again visits Bermuda this summer, when he hopes to complete his report and submit it as a University Study.

(8) STATEMENT REGARDING THE MUSEUM OF GEOLOGY AND MINERALOGY.
(PROFESSORS COLEMAN, WALKER AND PARKS.)

The room at present occupied by the Museum of Geology and Mineralogy, besides being unsuitable for the purpose, is already so overcrowded that no means is afforded of displaying much of the material now on hand. The construction of the new museum will afford a welcome relief from the present congestion and will make possible the display of the material now in storage and will afford the means of a reasonable expansion.

The more important acquisitions during the past year are as follows:—

Geology:—

By donation.—Silver ore from Silver Islet, Mr. Cross.

Native copper from Michipicoten, Dr. L. Bentley, Toronto.

A splendid collection of Carboniferous Crinoids, Mr. Frank Springer, Burlington, Iowa.

A series of fossil fish from the Carboniferous of New Brunswick Geol. Sur., Canada, per Mr. Lawrence Lambe.

By Purchase.—Fossil fish from Scotland and Bavaria, Echinoids from Europe, Coal plant sections from England, rare Arthropoda from Europe and numerous specimens intended to fill gaps in the series.

By collection.—Chazy, Trenton and Utica fossils from Ontario, Upper Devonian fossils from the State of New York.

Mineralogy:—

During the year the Mineralogical Museum has been augmented by the following additions:

By exchange.—With the New York Museum, Albany, N.Y.; The American Museum of Natural History, New York; The University of Pennsylvania, Philadelphia; George Rowe, Esq., Franklin Furnace, N. J.; Dr. Joseph Hyde Pratt, Chapel Hill, N. C.

By collection.—A. L. Parsons obtained a fine series in considerable quantity from various localities in the Appalachian region of the United States.

By purchase.—Many rare species not already represented in the museum and also fine specimens of other types from new localities.

By donation.—Edmund Morris, Esq., a collection of Canadian minerals made by the late Hon. William Morris about sixty years ago.

H. L. Kerr, Esq., a fine slab of tourmaline showing zonal growth, from Madagascar.

E. J. Earle, Esq., native bismuth from Otter Township, Ont.

T. B. Allen, Esq., artificial corundum from Niagara Falls, N. Y.

Smaller contributions from many friends.

(9) REPORT OF THE PHYSICAL DIRECTOR. (DR. J. W. BARTON.)

The work of the Physical Department for the past year shows an increased number using the privileges notwithstanding our inadequate quarters. Some idea of the crowded condition of affairs may be gathered from the fact that the number

using lockers exceeded the number of lockers by nearly two hundred. This means that two and sometimes three students used one locker.

It is therefore with great pleasure that we look forward to the relief from such conditions by the accommodation that will be provided in the new gymnasium. The classes were very well attended considering the interruption due to social gatherings, while the number taking individual exercise was larger than ever.

Sergeant Williams, gymnasium instructor, has done very efficient work, his work for the Assault, and the Boxing Tournament being especially meritorious.

Mr. Corsan, Swimming Instructor, has performed his duties in his usual enthusiastic manner, and a large number of students were taught to swim.

The physical examination of all the students engaged in athletics fulfils the two-fold object:

(a) Exercise or athletics is rendered reasonably safe for the student.

(b) Properly directed exercise secures the co-operation of the student with mutually satisfactory results to the student and to the physical director.

Quite a number of students who were not members of the Athletic Association took advantage of the physical examination. I am of the opinion that the compulsory examination will occasion no protest from the students. They are always grateful for the knowledge gained and the advice given.

The indoor work was larger than it has ever been. The senior gymnastic team conducted a junior interfaculty gymnastic contest with profit to themselves and to the faculties engaged.

The basket ball club conducted an interfaculty contest with eight teams entered for the Sifton cup (donated by Hon. Clifford Sifton). There was not a single defaulted game, and the final games were watched by hundreds of students.

The boxing and wrestling tournament is now an annual fixture. An Intercollegiate Boxing, Wrestling and Fencing Meet was held at Queen's this spring, and we were fortunate enough to secure three boxing championships. The swimming club won three out of five events against McGill, but were beaten in water polo. Twenty-five life-saving medals were obtained by our men this past winter. We obtain more of these proficiency certificates and medallions yearly than any other organization in Canada.

In regard to outdoor work, we have had an unusually good year. Our Rugby team won the Intercollegiate championship again, and also won the Canadian championship. Our Junior Rugby team won the Intercollegiate championship. Our Association Football team won the Intercollegiate championship again.

Our Track team again won the Intercollegiate championship. Our Harrier Club won the Intercollegiate championship in Montreal, being the first winners in this newly organized Association.

Our Hockey teams were tied for first place in the Senior Intercollegiate series, won the Intermediate series, and were runners-up in the Junior series. Hon. Coach, Dr. Gallie, never missed a practice.

As mentioned in last year's report, the revenue from the Rugby games in the Dominion championship series has enabled us to foster excellent branches of athletics from which we can never secure adequate gate receipts.

It might not be amiss to mention in this connection the excellent work of Mr. H. C. Griffith of the Trinity staff, Honorary Coach of the Rugby team. His patient, persevering coaching is producing clean, scientific football at the University.

We are looking forward to our new athletic field and grandstand. The old

field and stand with the poor accommodation afforded has been a source of annoyance to everyone interested. We feel that we can now have proper accommodation for our own teams and those of visiting colleges, and likewise for the patrons of the games, and we look forward to the new field and grandstand, and to the completion of a new gymnasium adequate to our needs with the greatest satisfaction.

(10) EXTRACT FROM THE REPORT ON THE SUMMER SESSION AND EXTENSION WORK. (DR. A. H. ABBOTT, SECRETARY.)

The University Extension Committee has under its jurisdiction three departments of work—Local Lectures, Special Courses for Teachers, and the Summer Session.

Local Lectures. During the winter courses of lectures were arranged at twenty local centres, at which fifty-nine lectures were delivered by twenty-two different lecturers. Of these fifty-nine lectures, forty-five were upon different subjects, the remainder being repetitions. The organizations before which these lectures were delivered are of the most diverse character. They include the following as possibly the most important:

Teachers' Institutes.

Church organizations.

Young Men's Christian Associations.

Canadian Clubs.

Reading circles.

It should be borne in mind that these lectures do not represent all of the lectures given by members of the Faculty before such organizations. Probably, indeed, many members of the Faculty arrange such lectures privately, and, as they are not reported, no record can be kept of them. On a very conservative estimate, one may say that at least six thousand people will have been reached through the lectures which were arranged by the Secretary. Especially toward the end of the session, it became evident that organizations were looking in the direction of arranging courses of lectures on one subject by one lecturer, as, indeed, several requests for information about such an arrangement came in.

It is evident that, were it regarded as wise policy, the number of these lectures might be greatly increased. At the present time, practically no attempt is made to advertise this phase of University Extension work, since the burden of the lecturing is sure to fall upon a comparatively small number of men, who get no financial return whatever for their work. It is a question whether these Local Lectures should be allowed to go on as they are at present, or whether a somewhat more active attempt should be made to interest the public in them. The Secretary does not feel like pushing this phase of the Extension work very energetically, so long as the members of the staff who lecture do not receive some kind of remuneration for their services. The arranging for these Local Lectures costs the University practically nothing, outside the necessary office expenses.

Special Courses for Teachers. During the academic year 1908-9, Special Courses were arranged for teachers in the Faculty of Arts in the following subjects:

English (19).

German (5).

French (14).

Psychology (6).

History (5).

The total registration of teachers was thirty-one; the number attending each course is indicated above by the numbers in brackets.

Summer Session. The following Courses were applied for by a sufficient number to warrant them being given. The numbers in brackets indicate in each case the enrolment.

Faculty of Arts.

Latin. First Year Pass (10); Second Year Pass (10); Professor Fletcher and J. N. Woodcock, B.A.

English. First and Second Year General Course (13); First and Second Year Honour Course (11); Professor Alexander and Professor Horning.

French. First Year General Course (15); First Year Honour Course (9); Second Year General Course (5); Professor J. H. Cameron, Mr. L. A. Bibet and Mr. V. de Beaumont.

Mathematics. First Year General Course (19); Professor M. A. Mackenzie and Mr. N. L. Richardson.

Physics. First Year General Course (15); Professor J. C. McLennan, Mr. E. F. Burton, Mr. H. F. Dawes, Mr. L. Gilchrist and Mr. H. A. McTaggart.

Zoology. First Year General Course (8); First Year Honour Course (5).

Botany. First Year General Course (8); First Year Honour Course (5); Professor R. R. Wright, Dr. M. McKichan, Mr. R. B. Thomson and Mr. W. P. Thompson.

Faculty of Education.

Seminar in Philosophy (24); Dr. G. J. Blewett.

Elementary Science (37); Mr. G. A. Cornish.

Elementary Art (64); Mr. J. R. Seavey.

Physical Training (19); Dr. J. W. Barton.

The total attendance in the Faculty of Arts was sixty-eight; in the Faculty of Education, one hundred and three, of which number, seven were registered both in the Faculty of Arts and the Faculty of Education. The total attendance, therefore, was one hundred and sixty-four. In comparison with the attendance at the Summer Session of 1906, we find that the increase in the Faculty of Arts is 84.6%; in the Faculty of Education 53.7%, the increase in numbers in each case being thirty-one in the Faculty of Arts (the registration in 1906 was 37), in the Faculty of Education, thirty-six (the registration in 1906 was 67). The increase in the Faculty of Education is due, for the most part, to the establishing of the course for those proceeding to degrees in Pedagogy, in which there were twenty-four enrolled. The increased attendance in Elementary Science and Art was, therefore, twelve, showing that, in all probability, no considerable increase in the attendance in these courses may be looked for. Indeed, it is much more likely that as the demand for this instruction is met, an actual decrease may be expected. The increased attendance in the Faculty of Arts may be regarded as perfectly normal, and to some extent indicative of what may be expected.

The courses in Elementary Science and Art in the Faculty of Education were given with the co-operation of the Minister of Education. The Department of Education defrayed the expense in connection with these courses, having placed \$550 at the disposal of the University to provide instructors and classroom materials.

A series of evening lectures was given during the Summer Session as follows: July 16th.—“Malaria and Mosquitoes.” Professor Ramsay Wright.

July 20th.—“Some Phases of Modern Educational Progress.” Dr. G. H. Locke.

July 23rd.—“Natural and Artificial Protection Against Infection.” Dr. J. A. Amyot.

July 27th.—“Some Recent Advances in Physics.” Professor J. C. McLennan.

The average attendance at these lectures was about 300. It is of interest to notice that these lectures were given more attention by the press of the city than has been the case with former series.

For the accommodation of those attending the Summer Session, as well as for the examiners at the Department of Education, one of the Men's Residences, Queen's Hall, and the Dining Hall were opened. Board and lodging were supplied at the rate of \$5 a week. It is gratifying to be able to report that the result of this experiment has amply justified the expectations of the Committee. Forty-two took advantage of the opening of East Residence, and twenty-five of Queen's Hall.

APPENDIX B.

- (1) Enrolment in the Colleges.
- (2) Enrolment in University Subjects.
- (3) Registration in Courses in the Faculty of Arts.
- (4) Registration of Women Students.

(1) ENROLMENT IN THE COLLEGES.

The students in University College were enrolled as follows :

—	Greek.	Latin.	Ancient History	English.	German.	French.	Oriental.	Ethics.
First Year—								
Pass.....	31	246	76	180	116	167	109	.....
Honours	21	26	85	134	78	117	.....	.....
Second Year—								
Pass.....	28	167	.....	194	76	107	55	.....
Honours	15	11	50	71	49	53	9	.....
Third Year—								
Pass.....	6	76	.....	173	50	56	48	116
Honours	15	14	10	29	18	29	.....	21
Fourth Year—								
Pass.....	3	27	.....	102	18	20	30	43
Honours	7	8	8	45	17	38	7	10
Totals—								
Pass.....	68	516	76	649	260	350	242	159
Honours	58	59	153	279	162	237	16	31

The students in Victoria College were enrolled as follows :

—	Greek.	Latin.	Ancient History	English.	German.	French.	Oriental.	Ethics.
First Year—								
Pass.....	13	99	19	131	50	54	37	.....
Honours	7	6	32	47	42	44	.....	.....
Second Year—								
Pass.....	27	66	.....	94	24	32	26	.....
Honours	4	4	18	20	15	17	7	.....
Third Year—								
Pass.....	.....	30	.....	67	13	14	6	31
Honours	8	8	8	13	14	14	2	21
Fourth Year—								
Pass.....	.....	18	.....	64	15	17	1	6
Honours	3	1	1	5	5	6	5	7
Totals—								
Pass.....	40	213	19	356	102	117	70	37
Honours	22	19	59	85	76	81	14	28

The students in Trinity College were enrolled as follows :

—	Greek.	Latin.	Ancient History	English.	German.	French.	Oriental.	Ethics.
First Year—								
Pass.....	14	23	7	21	11	14	8	.....
Honours	4	4		10	5	5	.....	.....
Second Year—								
Pass	9	35	13	36	11	21	6	.....
Honours	4	4	6	14	12	12	.....	.....
Third Year—								
Pass.....	3	16	17	14	9	10	1	19
Honours	2	2	7	9	5	6	.....	.....
Fourth Year—								
Pass.....	7	20	20	24	10	17	3	19
Honours	6	6	1	2	.....	.....	.....	.....

The students in St. Michael's College were enrolled as follows :

—	Latin.	Ancient History	English.	French.	Philosophy.	Ethics.
Second Year.....	12	12	12	12	12	.....
Third Year .....	.....	.....	6	6	6	6
Fourth Year.....	.....	.....	6	.....	6	6

(2) ENROLMENT IN UNIVERSITY SUBJECTS.

The following tables exhibit the numbers attending lectures in University subjects, together with the numbers of those taking the practical work in the laboratories :

DEPARTMENT OF MATHEMATICS.

—	Pass.	Pass and Honours.	Honours.
Faculty of Arts—			
First Year.....	360	.....	33
Second Year .....	.....	.....	77
Third Year .....	.....	.....	28
Fourth Year	34	.....	9
Faculty of Applied Science—			
First Year.....	.....	228	.....
Second Year .....	.....	.....	200
Total	969	394	347

DEPARTMENT OF PHYSICS.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	97		105	202
Second Year			106	44
Third Year	69		32	32
Fourth Year			6	6
M.A.		2		2
Ph.D.		6		6
Faculty of Medicine—				
First Year		117		117
Department of Dentistry—				
First Year	58			
Faculty of Forestry—				
First Year	19			19
Faculty of Household Science.....		24		
Total	641	243	149	249
			249	428

DEPARTMENT OF BIOLOGY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	214		58	58
Second Year			35	35
Third Year			28	28
Fourth Year			24	24
Graduate Students.....			2	2
Faculty of Medicine—				
First Year		119		119
Second Year		82		82
Faculty of Household Science—				
First Year			11	11
Second Year			10	10
Faculty of Applied Science—				
First Year				2
Third Year				5
Faculty of Forestry—				
First Year			17	17
Second Year			11	11
Third Year			2	2
Fourth Year			1	
Ontario Veterinary College Students in Botany only—				
First Year				92
Third Year				92
Total	614	214	199	590

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—			
Second Year	9	9	.....
Third Year	33	33	33
Fourth Year	28	28	28
Faculty of Medicine—			
Second Year	78	.....	78
Faculty of Household Science—			
Senior Normal	16	16	16
Junior Normal	23	23	23
Veterinary Students	103	.....	.....
Total.....399	290	109	178

DEPARTMENT OF CHEMISTRY.

	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	17	.....	106	106
Second Year	8	.....	48	48
Third Year .....	.....	11	.....	11
Fourth Year .....	.....	.....	7	7
Occasional Students	1	.....	.....	4
Graduate Students .....	.....	.....	.....	8
Faculty of Medicine—				
First Year .....	.....	119	.....	119
Faculty of Forestry—				
First Year	16	.....	.....	16
Third Year	4	.....	.....	.....
Faculty of Household Science—				
First Year .....	.....	24	.....	24
Faculty of Applied Science—				
Third Year .....	.....	5	.....	.....
Veterinary Students .....	.....	95	.....	95
Total..... 473	46	254	161	438

DEPARTMENT OF GEOLOGY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year.....			55	
Second Year.....	86		40	40
Third Year.....			1	1
Fourth Year.....			2	2
Faculty of Applied Science—				
Second Year.....		126		
Third Year.....		104		
Fourth Year.....		10	10	10
Total	434	86	240	108
				53

DEPARTMENT OF MINERALOGY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
Second Year.....			20	20
Third Year.....			8	8
Fourth Year.....			4	4
Graduate Students.....			4	4
Faculty of Forestry—				
Second Year.....	20			20
Faculty of Applied Science—				
First Year.....		11		11
Second Year.....		126		126
Third Year.....		34		34
Fourth Year.....		13		13
Total	240	20	184	36
				240

DEPARTMENT OF PHILOSOPHY.

	History of Philosophy.		Psychology.		Logic.		Metaphysics.		Ethics.	
	Pass.	Honours.	Pass.	Honours.	Pass.	Honours.	Pass.	Honours.	Pass.	Honours.
Second Year—										
Dept. of Philosophy	41	41	43	43	44	44	42			
Dept. of Political Science			54		42					
Other Honour Depts.	42		44		23					
General Course	102		105		55					
Teachers' Course	4									
Occasional	23		22		29					
Third Year—										
Dept. of Philosophy		31		31		31		31	21	21
Dept. of Political Science									37	
Other Honour Depts.									2	
General Course									56	
Occasional										
Fourth Year—										
Dept. of Philosophy		21		21		21		21	10	10
General Course									31	
Honour Science				5						
Occasional									2	
Graduates—										
Dept. of Philosophy		8		6				6		8
Teachers' Course		10								
	212	111	268	106	193	96	100	159	39	

DEPARTMENT OF POLITICAL SCIENCE.

	Pass.	Honours.
Faculty of Arts—		
Second Year		77
Third Year	57	55
Fourth Year	73	38
Department of History		3
Department of Philosophy	33	
Commercial Course		23
Post-Graduate Students		3
Occasionals	2	7
Faculty of Forestry—		
Second Year	5	
Total	170	206

DEPARTMENT OF MODERN HISTORY.

	Pass.	Honours.
First Year		13
Second Year	95	110
Third Year	91	79
Fourth Year	90	60
Total	276	262

DEPARTMENT OF ITALIAN, SPANISH AND PHONETICS.

	Italian Honours.	Spanish.	
		Pass.	Honours.
First Year	74	42	21
Second Year	36	18	6
Third Year	18	2	6
Fourth Year	21	.....	4
Graduate Students	2	.....	2
Total	151	62	39

DEPARTMENT OF HOUSEHOLD SCIENCE.

Arts Students proceeding to a degree	29
Faculty of Education Students	84
Normal Students	39
Occasionals	47
	199

(3) REGISTRATION IN COURSES IN FACULTY OF ARTS.

Courses.	First Year.			Second Year.			Third Year.			Fourth Year.			Total.	M.A.	Ph.D.
	U. C.	V. C.	T. C.	U. C.	V. C.	T. C.	U. C.	V. C.	T. C.	U. C.	V. C.	T. C.			
General	110	75	19	53	28	18	62	18	11	25	19	19	457	..	..
Classics	16	4	4	6	3	5	8	8	2	8	1	5	70	3	..
Eng. and Hist. (Class.)...	14	7	2	8	4	2	8	3	1	3	2	1	55	..	..
Eng. and Hist. (Mods.) ..	27	21	3	25	7	2	14	5	8	13	..	..	125	1	..
Modern Languages	46	23	5	21	11	9	16	10	2	26	6	..	175	24	1
Oriental Languages					7	..	..	2	..	7	3	..	19	9	2
Greek and Hebrew	1	1	..	2	..	..	..	..	..	1	2	..	7	..	..
Philosophy				27	16	1	14	20	2	13	7	1	101	16	3
Philosophy (St. Michael's).				12	..	..	3	..	..	5	..	..	20	..	..
Modern History	9	2	2	4	..	1	3	..	1	1	2	..	25	4	..
Political Science	36	6	1	45	15	3	44	9	..	30	3	4	196	6	..
Mathematics	23	10	..	13	2	1	19	3	..	7	..	..	78	5	1
Physics							3	..	..	..	..	..	3	3	5
Astronomy and Physics ..										2	2	..	4	..	..
Natural Science	36	19	1	..	..	..	..	..	..	..	..	..	56	..	..
Biol. and Phys. Science ..				7	1	..	4	..	..	17	3	1	33	2	..
Physiol. and Biochem. Sc..				8	3	1	14	8	..	..	..	..	34	..	..
Biology				3	3	1	2	..	..	2	2	..	13	..	1
Chemistry and Mineral. I.				7	2	..	3	3	1	4	2	..	22	6	9
Chemistry and Mineral. II.													..	..	3
Geology and Mineralogy ..				3	1	..	1	..	..	..	..	..	5	..	..
Household Science.....	8	3	..	5	4	1	1	4	..	2	2	..	29	..	..
Commerce and Finance....	18	3	..	1	..	..	..	..	..	..	..	..	22	..	..
Total of courses taken..	344	174	37	250	107	44	219	93	28	166	56	31	1,549	79	25
Total of students regist'd.	316	164	33	250	102	39	209	90	25	167	58	31	.....	79	25

(4) REGISTRATION OF WOMEN STUDENTS.

The women students registered in University College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	27	30	29	11
Classics	2	2	2	4
English and History (Cl. Op.) ..	..	4	2	..
Classics and English and History ..	..	..	..	..
Modern Languages	33	18	12	25
English and History (Mod. Op.) ..	18	14	13	5
Modern Languages and English and History ..	..	..	..	..
Classics and Modern Languages ..	..	..	..	..
Sciences	1	2	..	1
Household Sciences	8	5	1	2
Science and Household Science ..	..	..	..	..
Mathematics and Physics	5	1	5	3
Physics .....	..	..	2	..
Political Science .....	..	..	..	1
Modern History	1	..	..	..
Philosophy .....	..	1	1	1
	95	77	67	53

The women students registered in Victoria College took the following courses :

Courses.	First Year.	Second Year.	Third Year.	Fourth Year
General Course	13	14	8	9
Moderns and English and History (Mod.)	33	15	11	5
Classics and English and History (Cl.)	1	2	2	1
Philosophy			1	1
Mathematics and Physics	3	1		
Natural and Physical Science	2	1		
Household Science	3	4	4	2
	55	37	26	17
Total		135		
Graduates		3		
Occasional		5		
		143		

The women students registered in Trinity College took the following courses :

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General Course	4	9	7	7
Modern Languages	5	9	5	
English and History (Mod.)	†3	†2	*5	
English and History (Cl.)			1	1
Classics		1	*1	**1
Mathematics and Physics		1		
Chemistry and Mineralogy			1	
Household Science				
Occasional students		5	1	3
Total number of students	11	25	17	11

† There is one student included in the number taking English and History (Mod.) who is also taking another course.

‡ In the Second Year there are two students included in the number taking English and History (Mod.) who are also taking another course.

* In the Third Year there are three students, who are taking other courses, included in the English and History (Mod.). The student taking the course in Classics is also taking another course.

** The student taking the course in Fourth Year Classics is also taking another course.

The women in the Faculty of Household Science took the following courses :

Junior Normal	24
Senior Normal	15
Occasional	46
	85

The women in the Faculty of Education took the following courses :

Advanced Course	45
General Course	101
Special	3
	149

The women in the Faculty of Medicine were enrolled as follows :

First Year	3
Second Year	5
Third Year	6
Fourth Year	4
	18

APPENDIX C.

RESULTS OF EXAMINATIONS.

- (1) Faculty of Arts.
- (2) Faculty of Medicine.
- (3) Faculty of Applied Science.
- (4) Faculty of Forestry.
- (5) Faculty of Education.
- (6) Faculty of Household Science.

RESULTS OF EXAMINATIONS IN MAY, 1909.

(1) FACULTY OF ARTS.

Senior Matriculation.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	Totals.	Passed.	Starred.	Failed.	Transfer'd.	Aegrotat.	B. L.	Deferred.	Def. B. L.	Debarred.
General Course		38	18	4	60	9	28	22						8
Moderns		4		1	5		4	1	3			2		
Eng. and Hist. (Mod.)		1			1	1								
Political Science		1	1		2		2		2					
Modern History		1		1	2	1	1							
Commerce and Finance		3			3	1	2					1		1
Mathematics and Physics		3	2		5	4	1							
Natural Science		5	1	1	7	1	4	2	1				1	1
Household Science		2			2		2					1		1
Occasionals	19				19	17	2							
Teachers' Course	9				9	9								
Totals	28	58	22	7	115	43	45	26	6			4	1	11

First Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	Totals.	Passed.	Starred.	Failed.	Transfer'd.	Aegrotat.	B. L.	Deferred.	Def. B. L.	Debarred.
General Course		65	33	13	111	39	47	15						11
Classics		12	4	4	20	16	1	1	1			1		1
Greek and Hebrew		1	1		2	2								
Eng. and Hist. (Class.)		4	3		7	5	1		2					
Moderns		37	23	4	64	45	13	3	10	1	12	1	2	3
Eng. and Hist. (Mod.)		20	13	2	35	21	12	1	10		4	1	2	4
Political Science		28	5	1	34	18	10	5	18		3		1	4
Modern History		3	2		5	4	1							1
Commerce and Finance		15	3		18	9	8	1	5			4		4
Mathematics and Physics		20	5		25	19	6		2			2		
Natural Sciences		31	16		47	20	23	3	5	1		10	2	9
Household Science		5	2		7	5	2				1	1		1
Occasionals	16				16	16								
Teachers' Course	1				1	1								
Totals	17	241	110	24	392	220	124	29	53	2	20	20	7	38

Second Year.

Courses.	University.	Univ. Coll.	Vict. Coll.	Trin. Coll.	St. Michael's College.	Totals.	Passed.	Starred.	Failed.	Transfer'd.	Aegrotat.	B. L.	Deferred.	Def. B. L.	Debarred.
General Course		58	31	20		109	33	56	17						33
Classics		5	2	4		11	9	1		1					1
Greek and Hebrew		2				2	2					1			
Oriental		7	7			14	7	7					3		2
Eng. and History (Classics)		6	2			8	7	1		2				1	1
Moderns		20	10	9		39	28	9		5	2	5	1	1	4
Eng. and History (Mod.)		23	6			29	21	6	1	4		5		1	3
Political Science		45	15	4		64	30	24	8	1	1	3	8	3	17
Modern History		4		1		5	2	3		3	1				3
Philosophy		38	16	1	12	55	20	26	6	3			12	4	15
Mathematics and Physics		12	2	1		15	15								1
Physics															
Biol. and Phys. Sciences		6				6	3	3						1	1
Biology		2	3			5	3	2				1			2
Chemistry and Mineralogy		7	2			9	9					2			1
Geology and Mineralogy		3	1			4	4								
Household Science		5	4			9	8	1							1
Physiological and Bio-chemical Sciences		8	3	1		12	10	1	1			1			3
Occasionals	16	8				24	22								
Teachers' Course	2					2	1								
Totals	18	259	104	41	12	422	234	140	33	19	4	18	24	11	88

Third Year.

Courses.	University.	Univ. Coll.	Vict. Coll.	Trin. Coll.	St. Michael's College.	Totals.	Passed.	Starred.	Failed.	Transfer'd.	Aegrotat.	B. L.	Deferred.	Def. B. L.	Debarred.
General Course		62	17	10		89	43	42	4						32
Classics		7	8	2		17	17				1				
Greek and Hebrew															
Oriental															
English and History (Class.)		6				6	6				1	1			
Moderns		16	10	8		34	28	5	1	2	1	1	1	2	3
English and History (Mod.)		10	2	2		14	14					3			
Political Science		39	9			48	45	2	1	4	1	6	6	3	10
Modern History		1		1		2	2								1
Philosophy		16	20	2	6	38	35	2	1		1	4	4	4	8
Mathematics and Physics		19	3			22	22								
Physics		3				3	3								
Bio. and Phys. Sciences		3	1			4	3	1			1				1
Biology		2				2	2								
Chem. and Min. Div. I.		3	3	1		7	5		2						1
Chem. and Min., Div. II.															
Geology and Mineralogy		1				1	1								
Household Science		1	4			5	5								1
Physiological and Bio-chemical Sciences		14	8			22	19	3							
Occasionals		2	1			3	2	1							
Teachers' Course	2					2	1	1							
Totals	2	205	86	26	6	319	253	57	9	6	6	15	11	9	57

Fourth Year.

Courses.	University.	Univ. Coll.	Vict. Coll.	Trin. Coll.	St. Michael's College.	Totals.	Passed.	Starred.	Failed.	Transferred.	Aegrotat.	B. L.	Deferred.	Def. B. L.	Pass. Deg.
General Course		28	19	21	.....	68	49	17	2	.....				
Classics		8	1	5	.....	14	14				2				
Greek and Hebrew			1		.....	1	1								
Oriental's		5	3		.....	8	7	1							
English and History (Class.)		3		1	.....	4	3	1							
Modern Languages		24	5		.....	29	29								3
English and History (Mod.)		13			.....	13	13					1			4
Political Science		30	3	4	.....	37	35	2				4			1
Modern History		1	1		.....	2	2								1
Philosophy		17	7	1	5	25	22	3			3				4
Mathe. } Mathematics		7			.....	7	7								
and } Physics				1	.....	1	1								
Physics } Astron. and Phys.		2		1	.....	3	3								
Physics .....					.....					
Bio. and Phys. Sciences		16	2	1	.....	19	17	2				1			2
Biology		2	2		.....	4	4								
Chem. and Mineral'y, Div. I.		4	2		.....	6	6								1
Chem. and Mineral'y, Div. II. ....					.....					
Geology and Mineralogy			2		.....	2	1	1							
Household Science		2	2		.....	4	4								
Physiological and Biochem. Sciences .....					.....					
Occasionals	10	7	3		.....	20	20								
Teachers' Course	3				.....	3									
Totals	13	169	55	33	5	270	238	27	2	.....	5	6	.....	.....	16

(2) FACULTY OF MEDICINE.

	Passed with Honours.	Passed.	Starred.	Failed.
First Year.....	17	51	31	12
Second Year.....	13	51	11	4
Third Year.....	.....	132	48	8
Fourth Year.....	17	94	26	9

(3) FACULTY OF APPLIED SCIENCE.

	Passed with Honours.	Passed.	Starred.	Failed.
First Year :				
Civil Engineering.....	28	69	18	9
Mining Engineering.....	9	26	9	6
Mechanical Engineering	6	19	8	6
Architecture	4	9	3	1
Analytical and Applied Chemistry.....	1	5	3	5
Chemical Engineering.....	3	4	1	.....
Electrical Engineering.....	19	39	10	13
Second Year :				
Civil Engineering.....	19	76	29	5
Mining Engineering	5	23	7	4
Mechanical and Electrical Engineering	16	65	24	6
Architecture	1	5	4	2
Analytical and Applied Chemistry	3	8	5	1
Chemical Engineering .....	.....	2	1	.....
Third Year :				
Civil Engineering.....	21	66	21	3
Mining Engineering.....	7	23	4	.....
Mechanical and Electrical Engineering	15	64	21	10
Architecture	3	4	1	.....
Analytical and Applied Chemistry.....	1	5	1	.....
Fourth Year.....	21	97	11	.....

(4) FACULTY OF FORESTRY.

	Passed with Honours.	Honours Deferred.	Failed.
First Year.....	7	4	4
Second Year.....	8	5	2
Third Year.....	3	1	1
Fourth Year.....	2	.....	1
Occasional.....	1	.....	.....
	21	10	8

(5) FACULTY OF EDUCATION.

	Passed with Honours.	Passed.	Failed.
General Course.....	7	115	.....
Advanced Course.....	10	49	.....
*Specialists.....	.....	40	.....
B. Pæd.....	.....	2	.....
D. Pæd.....	.....	4	.....
Partial Examinations.....	.....	12	.....
Number who failed in whole or part.....	.....	.....	33

* Many of these are included among those who passed in the General or Advanced Courses.

(6) FACULTY OF HOUSEHOLD SCIENCE.

	Passed.	Starred.	Failed.
First Year, Normal Class.....	15	2	1
Second Year, Normal Class.....	15	.....	.....

APPENDIX D.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS.

The geographical distribution of the students is as follows :

FACULTY OF ARTS.

	University of Toronto.	University College.	Victoria College.	Trinity College.	Total.
Ontario: (1) Province.....	272	478	279	86	1,115
(2) Toronto.....	147	426	101	33	707
Nova Scotia.....	4	4	.....	.....	8
New Brunswick.....	5	6	.....	.....	11
Prince Edward Island.....	1	1	.....	.....	2
Quebec.....	15	1	5	1	22
Manitoba.....	20	13	1	2	36
Saskatchewan.....	20	28	15	1	64
Alberta.....	15	17	7	2	41
British Columbia.....	10	18	30	5	63
United States.....	143	13	1	9	166
Elsewhere.....	24	32	15	7	78
Totals.....	676	1,037	454	146	2,313

FACULTY OF MEDICINE.

Ontario:	
(1) Province	387
(2) Toronto	126
Nova Scotia	1
New Brunswick	1
Quebec	1
Manitoba	5
Saskatchewan	20
Alberta	11
British Columbia	20
United States	8
Newfoundland	3
British Guiana	1
England	1
Ireland	2
Africa	1
British West Indies	2

FACULTY OF APPLIED SCIENCE.

Ontario:	
(1) Province	383
(2) Toronto	257
Nova Scotia	6
New Brunswick	2
Quebec	4
Manitoba	13
Saskatchewan	9
Alberta	16
British Columbia	11
Foreign Countries	24

FACULTY OF FORESTRY.

Ontario:	
(1) Province	14
(2) Toronto	19
Provinces	7

FACULTY OF EDUCATION.

Ontario:	
(1) Province	197
(2) Toronto	36
Manitoba	1
Quebec	1
British Columbia	1
United States	1

FACULTY OF HOUSEHOLD SCIENCE.

	Senior Normals.	Junior Normals.	Occasionals.	Total.
Ontario:				
(1) Province	6	10	10	26
(2) Toronto	7	8	28	43
Nova Scotia		1		1
Prince Edward Island	1	1		2
Quebec			1	1
Manitoba			2	2
Saskatchewan		1		1
Alberta			1	1
British Columbia	1	2	1	4
England			1	1
New Zealand			1	1
United States		1	1	2
	15	24	46	85

APPENDIX E.

PUBLICATIONS BY MEMBERS OF THE STAFF.

Faculty of Arts.

- Abbott, A. H.—“Is the Ultimate Ultimate?” (University Magazine.)
- Allan, F. B.—“The Barium Salts of Phthalic Acid.” (Journal of the American Chemical Society, 31, 1061.)
- In collaboration with C. G. Allin.—“A third Methyl Ester of Phthalic Acid.” (Journal of the American Chemical Society, 31, 1065.)
- In collaboration with C. H. Robinson.—“Note on the Oxidation of β Naphthoquinone.” (Journal of the American Chemical Society, 32, 117.)
- Pensley, B. A.—“Practical Anatomy of the Rabbit.” (Toronto, The University Press; Philadelphia, P. Blakiston's Son & Co., 1910.)
- Blewett, G. J.—“Studies in Mystical Religion.” (Philosophical Review.)
- Buchanan, M. A.—“Chorley's Catalogue of the Comedies of Lope de Vega.” (Modern Language Notes.)
- “Short Stories and Anecdotes in Spanish Plays.” (Modern Language Review.)
- “Thomas' Le Lyrisme et la Preciosité cultistes en Espagne.” (Modern Language Review.)
- “La Vida es Suepe . . . de Calderon.” Vol. I. (University of Toronto Studies.)
- “Rey de Artieda's Los Amantes.” (Romanic Review.)
- Burton, E. F.—“Colloidal Solutions.” (Sudbury-Hardyman Prize, Emmanuel College, Cambridge.)
- “The Dialysis of Ferric Hydroxide.” (Transactions of the Canadian Institute.)
- Carruthers, A.—“Latin Lessons for Beginners.” (W. J. Gage & Co., Toronto.)
- Chant, C. A.—“Water Vapor and Oxygen on Mars.” (Journal of the Royal Astronomical Society.)
- “Halley's Comet.” (The Westminster.)
- Cline, G. A.—“On the Penetrating Radiation at the Surface of the Earth.” (Royal Society of Canada. Physical Review.)
- Davidson, F. J. A.—“The Meaning of Vita Nuova.” (Modern Language Notes.)
- “The Origin of the Sestina.” (Modern Language Notes.)
- “Valdés José.” (Boston, D. C. Heath & Co., 1909.)
- De Witt, N. W.—“The Teaching of Latin in the United States.” (Proceedings of the Dominion Educational Association.)
- “The Educated Layman.” (University Magazine.)
- “The Treatment of Time in the Aeneid.” (Classical Journal, Chicago.)
- Fields, J. C.—“The Complementary Theorem.” (American Journal of Mathematics.)
- Fitzgerald, Miss M. P., In the Physiological Laboratory.—“Preliminary Note on the origin of Hydrochloric Acid in the Gastric Tubules.” (Proceedings Roy. Soc. London.)
- Horning, L. E.—“The German Drama of the 19th Century by Prof. Withourki, translated by L. E. Horning.” (Holt & Co., New York.)
- “Canadian Literature.” (Acta Victoriana.)
- “Education of Ministers.” (Acta Victoriana.)

- “Germany of To-day.” (Reprint of address before Empire Club.)
- “England and Germany.” (Canadian Magazine.)
- “Comparative Tables on Goethe’s Faust.” (Acta Victoriana.)
- “Syllabus of Outlines of German Literature.”
- Hume, J. G.—“The Significance of Suicide.” (Proceedings of the American Philosophical Society. The Philosophical Review.)
- “The Cause and Cure of Suicide.” (Canadian Courier.)
- Kenrick, F. B.—“The Hydrates and Acid Salts of Ferrous Sulphate.”
- Keys, D. R.—“On the History of English Spelling. (Proceedings of the Ontario Educational Association.)
- “The Study of Philology in Ontario.” (Proceedings of the American Philological Association.)
- Kylie, E. J.—“The English Correspondence of St. Boniface.” (Chatto and Windus, London.)
- Langton, H. H., and G. M. Wrong.—“Review of Historical Publications Relating to Canada, Vol. XIV.”
- Loudon, W. J.—Pamphlet on “Dynamics of Rotation.”
- Pamphlet on “Mechanics.”
- “The Small-mouthed Black Bass.” (The Hunter-Rose Co., Toronto.)
- Macallum, A. B.—“The Significance of the Osmotic Membrane in Heredity.” (The Harvey Lectures, Vol. 9. J. P. Lippincott Co. Trans. Roy. Soc. Canada, Vol. II., Series III.)
- “The Semi-centennial of the Origin of Species.” (Trans. Royal Soc. Canada.)
- “The Inorganic Composition of the Blood in Vertebrates and Invertebrates and its Origin.” (Proceedings Roy. Soc. London.)
- McCurdy, J. F.—Articles in the new Schaff-Herzog Encyclopedia of Religious Knowledge, as Editor of the Old Testament Department.
- McLaughlin, J. F.—“The Old Testament.” (Canadian First Standard Teacher Training Course.)
- “Commentary on the International S. S. Lessons for 1909-10.” (William Briggs.)
- McLennan, J. C.—“On the Secondary Radiation Excited in Different Metals by Alpha Rays.” (Proc. British Association.)
- “On the Electrical Charges acquired in High Vacua by Insulated Potassium Salts and Other Radioactive Substances.” (Trans. Roy. Soc. Canada. Phys. Rev.)
- McMurrich, J. P.—“The Problem of the Vertebrate Head.” (Proceedings of the Seventh International Zoological Congress.)
- “The Legend of the Resurrection Bone.” (Proceed. Canadian Institute.)
- Miller, W. L.—“The Theory of the direct method of determining transport numbers.” (Zeitschrift für physikalische Chemie 69.)
- “The bactericidal action of solutions containing phenol and salts.” (American Chemical Society.)
- “Changes of concentration at the electrodes during electrolysis with constant, intermittent, and alternating currents.” (American Chemical Society.)
- Montgomery, H.—“Archæology of Ontario and Manitoba.” (Proceedings B.A.A.S. American Anthropologist. Science.)
- “Calf Mountain Mound in Manitoba.” (American Anthropologist, Vol. 12.)
- “Recent Investigations in Ontario.” (Trans. Canadian Institute.)
- “The Stone Age in Eastern and Central Canada.” (Houghton, Mifflin Co., Boston.)

- "The Stone Age in Dakota." (Houghton, Mifflin Co.)
- "The Stone Age in Utah." (Houghton, Mifflin Co.)
- Parks, W. A.—"Note on the Ornamentation of *Periglyptocrinus priscus*." (Ottawa Naturalist.)
- "A New Cystid from the Clinton Formation of Ontario." (Am. Jour. Science.)
- "Ordovician Stromatoporoids." (University of Toronto Studies.)
- Parsons, A. L.—"A New Sclerometer." (American Journal of Science.)
- In collaboration with Prof. Victor Goldschmidt, "Ueber Göthit." (Zeitschrift für Kryst. usw.)
- Piersol, W. H.—"The Habits and Larval State of *Plethodon cinereus erythronotus*." (Transactions of the Canadian Institute.)
- Tracy, F.—"The Psychology of Childhood." Seventh Edition. (Heath & Co.)
- "Introductory Educational Psychology." In collaboration with Dr. S. S. Sinclair. (Macmillans.)
- "The Teacher and the School." (R. D. Fraser, Toronto.)
- "The place of the Story in Primary Education." (R. D. Fraser.)
- Walker, E. M.—"The Orthoptera of Northern Ontario." (Canadian Entomologist.)
- Walker, T. L.—"The Occurrence of Tungsten Ores in Canada." (Journal Canadian Mining Institute.)
- "A Review of the Minerals Tungstite and Moymacite." (American Journal of Science.)
- "Report on the Tungsten Ores of Canada." (Bulletin No. 25, Mines Branch, Ottawa.)
- Wrong, G. M.—"Review of Historical Publications relating to Canada," Vol. XIV., edited in collaboration with H. H. Langton, Esq.
- "The Attitude of Canada." (The Nineteenth Century and After.)
- "Canadian Nationalism and the Imperial Tie." (The University Monthly.)
- "An Introductory History of England." (The Macmillan Co.)
- "The British Nation." (Morang & Co.)

Faculty of Medicine.

- Anderson, H. B.—"A Case of Hæmorrhagic Pneumococcus Septicæmia." (Dominion Medical Monthly.)
- "Neurasthenia in General." (Practice. Canadian Practitioner and Review.)
- "Clinical Notes on Cancer of the Oesophagus; acute interstitial and chronic fibrous Myocarditis and healed miliary tuberculosis of the lungs." (Canadian Jour. Med. and Surgery.)
- Amyot, J. A.—"Disposal of Cheese Factory Waste." (Prov. Bd. of Health Reports.)
- "Device for the Disinfection of Railway Cars and Ridding Them of Vermin." (American Journal of Public Health.)
- "Pasteurization of Municipal Milk Supplies." (Canadian Practitioner.)
- "Pollution of the Great Lakes." (American Journal of Public Hygiene.)
- Bruce, H. A.—"Chloroma of the Jaws." (Annals of Surgery.)
- Chambers, Graham.—"Gastrogenic Diarrhœa." (Dominion Medical Monthly.)
- "Observations on Epithelioma of the Skin." (Dominion Medical Monthly.)
- "Remarks on Vincent's Angina, with Reports of Cases." (Dominion Medical Monthly.)

- Gallie, W. E.—“A New Treatment for High Dorsal Pott’s Disease.” (New York Medical Journal.)
- “A Study of the Pathology of Tuberculosis of the Hip.” (Canadian Medical Journal.)
- “A Study of the Pathology of Caries of the Spine.” (Canadian Medical Journal.)
- Hendrick, A. C.—“On the Repair of Injuries to the Pelvic Floor.” (Dominion Medical Monthly.)
- “On Red Degeneration of Uterine Fibroids, with Report of a Case.” (Proceedings of the Academy of Medicine.)
- Howland, G. W.—“The Spasmodic Type of Syngomyelia.” (Journal of Nervous and Mental Diseases.)
- Jones, E.—“The Cerebro-spinal Fluid in Relation to the Diagnosis of Metasyphitis of the Nervous System.” (Bull. of the Ont. Hosp. for the Insane. Vol. II.)
- “The Proteid Content of the Cerebro-spinal Fluid in General Paralysis.” (Rev. of Neurology and Psychiatry. Vol. VII.)
- “Psycho-analysis in Psychotherapy.” (Journ. of Abnormal Psychology. Vol. IV.)
- “Modern Progress in Our Knowledge of the Pathology of General Paralysis.” (Lancet.)
- “Remarks on a Case of Complete Auto-psychic Amnesia.” Journ. of Abnormal Psychology.)
- “The Differential Diagnosis of Cerebellar Tumours.” (Boston Medical and Surgical Journal.)
- “The Pathology of General Paralysis.” (Alienist and Neurologist with Dr. Heggie). “A Case of Gleoina of the Optic Thalamus.” (Dominion Medical Monthly.)
- “The Differences Between the Sexes in the Development of Speech.” (Trans. of the Sixth International Congress of Psychology.)
- “The Pathology of Dyschiria.” (Rev. of Neurology and Psychiatry. Translated into German in the Journ. für Psychologie und Neurologie.)
- “Psycho-analytic Notes on a Case of Hypomania.” (American Journal of Insanity.)
- “The Dyschirix Syndrome.” (Journal of Abnormal Psychology.)
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